FFFFFFFFFFFFF	111	111	XXX	XXX
FFFFFFFFFFFFFFFFFF	111111	111111	XXX	XXX
FFF	111111	111111	ŶŶŶ	âââ
FFF	111111	111111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	1111	111	XXX	XXX
FFF	!!!	!!!	XXX	XXX
FFFFFFFFFFFF	111	111		XX
FFFFFFFFFF	111	111		XX
FFF	iii	iii	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	111	111	XXX	XXX
FFF	1111	111	XXX	XXX
fff	!!!	!!!	XXX	XXX
FFF	111111111	1111111111	XXX	XXX
FFF	111111111	111111111	XXX	XXX

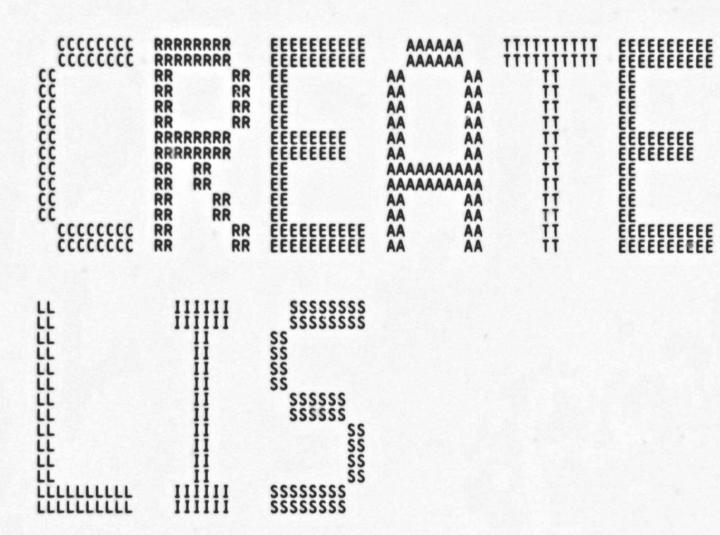
_\$25

Symb 10-0 10-0 10-0 10-5 10-5 K1CL

KILL KILL LB_E LB_F LB_F LB_L LOCA

MAKE MAKE MAP MAP

MAP MARI MARI MARI MARI MARI



CREATE V04-001	M 15 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 Page 2 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (1)
: 58 005 : 59 005 : 60 006	Defer building of ACL's until after initial extend takes place so that the map pointer for a contiguous file is in the primary header.
60 006 61 006 62 006 63 006 64 006 65 006 66 006 67 006	V03-041 CDS0004 Christian D. Saether 30-Aug-1984 Reread newly created header after ENTER because it may have been flushed from the cache by a multi header directory file.
67 006	V03-040 CDS0013 Christian D. Saether 14-Aug-1984 Modify creation of extension fcb chain, if necessary.
; 70 007 ; 71 007	V03-039 LMP0298 L. Mark Pilant, 7-Aug-1984 16:22 Add the necessary protection checks for create-if.
73 007 74 007 75 007	V03-038 ACG0438 Andrew C. Goldstein, 1-Aug-1984 21:23 Fix link truncation error; release any existing serialization lock before starting create
58 59 60 61 62 63 64 65 66 67 68 69 70 71 71 72 73 74 77 77 78 77 78 77 78 77 78 77 78 77 78 77 78 78	V03-037 LMP0288 L. Mark Pilant, 29-Jul-1984 13:56 Make sure that the ACL queue head of the new file is properly initialized when copying the ACL from a prior version (this bug introcuded in LMP0284.)
82 008 83 008	V03-036 LMP0284 L. Mark Pilant, 26-Jul-1984 12:14 Fix call to ACL_INIT_QUEUE, since it was moved to ACLSUBR.
85 008 86 008	V03-035 ACG0440 Andrew C. Goldstein, 25-Jul-1984 14:27 Move setup of default access ACE to after attributes are written
88 008 89 008	V03-034 LMP0275 L. Mark Pilant, 23-Jul-1984 14:40 Don't try to propagate an ACL if there isn't one.
: 91 009	1 ! V03-033 ACG0437 Andrew C. Goldstein, 13-Jul-1984 15:27 Corrections to alternate file ownership: fix interface to
94 0096 95 0096 96 0096 97 0096 98 0096 100 0106	V03-032 CDS0012 Christian D. Saether 29-Jun-1984 Add another call to read_header after copying info in propagate_attr because primary header may have been flushed from the cache.
102 103 103 103	V03-031 CDS0011 Christian D. Saether 22-Apr-1984 I Modify access arbitration.
104 0100 105 0100 106 0100	1! V03-030 CDS0010 Christian D. Saether 11-Apr-1984 1! Remove call to allocation_unlock after create_header 1! call because that routine does it now.
92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 111 112 113 114	7 1 V03-029 CDS0009 Christian D. Saether 1-Apr-1984 7 1 Call ALLOCATION_UNLOCK prior to deleting previous file 7 1 version in supersede operations to eliminate possible 7 1 deadlock condition if the previous version is being 8 1 extended at the same time.

CREATE V04-00		N 15 16-Sep-1984 00:06:06 14-Sep-1984 12:30:13	VAX-11 Bliss-32 V4.0-742 Page 3 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (1)
: 115 : 116 : 117	0115 1 0116 1 0117 1 0118 1	may have extended the directory and thus be allocation lock, also causing potential dead on in a number of ways.	holding the lock further
119 120 121 122	0119 1 V 0120 1 0121 1 0122 1	3-028 ACG0412 Andrew C. Goldstein, 22-M. Implement agent access mode support; add access check protection call; make attribute propaga NOP (when a file is entered as a new version)	ess mode to ation to self
124	0124 1 V 0125 1 U 0126 1	3-027 ACG0408 Andrew C. Goldstein, 20-M. Make APPLY RVN and DEFAULT RVN macros; Make rest of global storage based.	ar-1984 17:54
128	0128 1 V 0129 1	3-026 ACG0405 Andrew C. Goldstein, 16-M. Fix handling of file headers in CHANGE_OWNER	ar-1984 15:12
116 117 118 1190 1223 1223 1224 1225 1227 1228 1230 1331 1336 1339 1340	0130 V 0131 V 0132 1 V 0133 1 V 0135 1 V	3-025 CDS0008 Christian D. Saether 9-M. Remember CURR_LCKINDX from primary context a it in secondary after OPEN FILE so that copy has the right lock basis when writing acl's primary file's header.	ar-1984 nd set info To the
137 138 139 140	0136 1 1 0137 1 1 V 0138 1 1 0140 1 1 0141 1 1	3-024 LMP0203 L. Mark Pilant, 29-F Add support for FIB\$V_PROPAGATE. This allow rules to apply on an enter operation as well operation.	eb-1984 10:34 the propagation as a create
142 : 143 : 144 : 145		3-023 LMP0189 L. Mark Pilant, 6-Fe Add support for FIB\$V_DIRACL. This allows to directory file parent to be copied directly children (with the exception of NOPROPAGATE)	b-1984 13:54 he ACL of a to the ACEs).
147 148 149		3-022 LMP0188 L. Mark Pilant, 3-Fe Add support for a classification block.	b-1984 16:08
	0150 1 U V	3-021 CDS0007 Christian D. Saether 17-J. Modify interface to DEFAULT_RVN.	an-1984
153	0153 1 V 0154 1	3-020 CDS0006 Christian D. Saether 27-De Use BIND_COMMON macro.	ec-1983
150 151 152 153 154 155 156 157 158 159	0156 1 V 0157 1 V 0158 1 V	3-019 LMP0174 L. Mark Pilant, 1-De Change routine name for default ACE propagat Add a call to a routine to do general propag	c-1983 14:01 ion. Also, ation.
160	0160 1	3-018 CDS0005 Christian D. Saether 14-Someonify interface to SERIAL_FILE routine.	ep-1983
161 162 163 164 165 166	0163 1 ! v	3-017 ACG56916 Andrew C. Goldstein, 21-Je Use central routine for date management	un-1983 18:25
: 168	0168 1 !	3-016 LMP0156 L. Mark Pilant, 19-Septimes files not entered into a directory now get to default protection.	ep-1983 15:43 he process
169 170 171	0170 1 1 V	3-015 LMP0149 L. Mark Pilant, 13-S Correct a logic problem that caused problems	ep-1983 11:25 during the

CREATE VO4-001		C 16 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 Page 5 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (1)
: 229 : 230 : 231	0229 1 ! 0230 1 ! 0231 1 !	V02-019 ACG0230 Andrew C. Goldstein, 23-Dec-1981 22:59 Add expiration date support
233	0232 1 0234 1	V02-018 ACG0247 Andrew C. Goldstein, 23-Dec-1981 20:44 Set revision date to creation date
236	0235 1 0236 1 0237 1	V02-017 ACG0245 Andrew C. Goldstein, 23-Dec-1981 20:40 Don't write back link if file is a spool file
238	0238 1 1 0239 1 1 0240 1 1	V02-016 LMP0003 L. Mark Pilant, 8-Dec-1981 10:20 Added byte limit quota check on window creation.
241	0241 1 1 0242 1 1 0243 1 1	V02-015 ACG0238 Andrew C. Goldstein, 11-Dec-1981 23:30 Allow creation of dummy directory entries
244	0244 1 ! 0245 1 ! 0246 1 !	V02-014 ACG0208 Andrew C. Goldstein, 17-Nov-1981 15:16 Add segmented directory record support
247 248 249 250	0247 1 ! 0248 1 ! 0249 1 ! 0250 1 !**	V02-013 ACG0167 Andrew C. Goldstein, 16-Apr-1980 19:25 Previous revision history moved to F11B.REV
252 253 254 255	1245 1	Y 'SYS\$LIBRARY:LIB.L32'; E 'SRC\$:FCPDEF.B32';
27373737567890123456789012345678901	1246 1 1247 1 FORWAR 1248 1 1249 1 1250 1 1251 1	D ROUTINE CREATE : L_NORM, ! CREATE function routine PROPAGATE_ATTR : L_NORM, ! Propagate file attributes PROPAGATE_HANDLER, ! condition handler for above COPY_INFO : L_NORM; ! Copy info from old to new file

```
D 16
CREATE
VO4-001
                                                                                                                                                                                                                                                           16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                                                                                                                                                                                                                                       VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
            GLOBAL ROUTINE CREATE : L_NORM =
                                                                FUNCTIONAL DESCRIPTION:
                                                                                                                            This routine processes the CREATE function. It creates a file with the attributes requested, enters it in a directory if desired, and accesses the file if requested.
                                                                                                      CALLING SEQUENCE:
                                                                                                                             CREATE ()
                                                                                                      INPUT PARAMETERS:
                                                                                                                             NONE
                                                                                                      IMPLICIT INPUTS:
                                                                                                                             CURRENT_VCB: VCB of volume IO_PACKET: packet of this I/O request
                                                                                                     OUTPUT PARAMETERS:
                                                                                                                             NONE
                                                                                                      IMPLICIT OUTPUTS:
                                                                                                                             PRIMARY_FCB: FCB of file if accessed CURRENT_WINDOW: window of file if accessed
                                                                                                                             USER_STATUS: I/O status block of user
                                                                                                      ROUTINE VALUE:
                                                                                                                             1 if successful
0 if error
                                                                1284
1285
1286
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1303
                                                                                                      SIDE EFFECTS:
                                                                                                                            File created, blocks allocated, directory modified, file accessed, etc.
                                                                                             !--
                                                                                             BEGIN
                                                                                             LITERAL
                                                                                                                             ACE_LENGTH
                                                                                                                                                                                           = $BYTEOFFSET (ACE$L_KEY) + 4;
                                                                                            LOCAL
                                                                                                                             STATUS,
                                                                                                                                                                                                                                                                  general return status
                                                                                                                                                                                                                                                                  miscellaneous constant
                                                                                                                                                                                          : REF BBLOCK, ! address of I/O packet
: REF BBLOCKVECTOR [,ABD$C_LENGTH],
! buffer descriptors
: REF BBLOCK, ! file identification block
                                                                                                                             FCB_CREATED.
                                                                                                                             PACRET
                                                                                                                             ABD
                                                                                                                                                                                      : VECTOR [FILENAME_LENGTH+6, BYTE],
: BBLOCK [FID$C_LENGTH], ! header back link
: REF BBLOCK, ! pointer to file header ident area
: REF BBLOCK, ! requestor PCB address to the second se
            312
313
314
315
316
317
                                                                                                                             RESULT_LENGTH, RESULT
                                                                                                                              LINK_DID
                                                                                                                              IDENT_AREA
            318
319
                                                                                                                              PCB
                                                                                                                             ARB
```

```
CREATE
VO4-001
                                                                                                                 16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                                           VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11X.SRC]CREATE.B32;2
                                                        MAP AREA
     REF BBLOCK,
                                                                                                                    file header map area
FCB of index file
                                                                                         REF
                                                                                               BBLOCK,
                                                                                     :
                            1311
1312
1313
1314
1315
1316
                                                        FCB
                                                                                         REF BBLOCK,
                                                                                                                     FCB address
                                                                                     :
                                                                                                                    UCB pointer for RVN 1
VCB of root volume
address of file header
                                                                                        REF BBLOCK,
                                                                                     :
                                                         PRIMARY_VCB
                                                                                        REF BBLOCK,
                                                        HEADER
                                                                                        REF BBLOCK,
                                                                                     :
                                                        NEW_HEADER
ACL_CONTEXT,
ACE
                                                                                                                     Address of extension header
                                                                                     : REF BBLOCK,
                                                                                     : BBLOCK [ACE_LENGTH], ! buffer for ACE for file creator : BLOCK [1]; ! function code qualifiers
                            1318
                                                        FUNCTION
                                          EXTERNAL
                            1320
13223
13224
133226
133228
133333
13333
13333
13333
13337
                                                        ACP$GB_WRITBACK : BITVECTOR ADDRESSING_MODE (ABSOLUTE),
! ACP write back cache enable
                                                                                   : REF VECTOR ADDRESSING MODE (ABSOLUTE), ! PCB vector FLAGS : ADDRESSING MODE (ABSOLUTE);
                                                         SCHSGL_PCBVEC
                                                        EXESGL_DYNAMIC_FLAGS
                                                                                                                 ! Dynamic SYSGEN flags
                                          EXTERNAL LITERAL
                                                        EXESV_CLASS_PROT;
                                                                                                                ! Set if doing non-discretionary checks
                                          BIND_COMMON;
                                                    ROUTINE

ACL_DELETEACL : ADDRESSING_HOUL

UPDATE_FCB : L_NORM, !

REBLD_FRIM_FCB : L_NORM NOVALUE,

BUILD_EXT_FCBS : L_NORM NOVALUE,

RELEASE_SERIAL_LOCK : L_NORM, !

ALLOCATION_UNLOCK : L_NORM, .

ARBITRATE_ACCESS : L_JSB_2ARGS, .

CONV_ACCLOCK : L_NORM, .

I_NORM,
                                          EXTERNAL ROUTINE
                                                                                    : ADDRESSING_MODE (GENERAL),! delete acls
: L_NORM, ! rebuild fcb from header
: L_NORM NOVALUE, ! rebuild primary fcb from header
                                                                                                                        build extension fcb chain
                                                                                                                     release file synchronization lock
                            1338
                                                                                                                     synchronize allocation/deallocation establish file access.
                            1339
                            1340
                                                                                                                     convert/dequeue access lock. interlock file processing.
                                                        GET_FIB
GET_LOC_ATTR
GET_LOC
SWITCH_VOLUME
SELECT_VOLUME
                                                                                                                    get FIB for operation get placement data form attribute list get placament data
                                                                                        L NORM.
                                                                                        L NORM,
                                                                                        L NORM,
     356
357
358
359
                                                                                                                     switch context to specified volume find volume in volume set for create
                                                                                        L NORM,
                            1346
1347
1348
1349
                                                                                        L NORM,
                                                        CHECK PROTECT
                                                                                                                    check file protection charge blocks to user's disk quota create a file ID and header
                                                                                        L NORM,
                                                         CHARGE_QUOTA
                                                                                          NORM,
                                                        CREATE HEADER
     360
361
362
363
364
365
366
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368
370
371
                                                                                          NORM,
                            1350
                                                         CHECKSOM
                                                                                        L NORM,
                                                                                                                     compute header checksum
                                                                                                                    mark buffer for write-back
(GENERAL), ! Initialize ACL queue
                            1351
                                                        MARK DIRTY
ACL_INIT_QUEUE
                                                                                           NORM
                            1352
1353
1354
1355
1356
1357
                                                                                        ADDRESSING_MODE ADDRESSING_MODE
                                                        ACL ADDENTRY
ACL BUILDACL
                                                                                                                    (GENERAL), ! add entry to ACL (GENERAL) L_NORM, ! build ACL into file headers read file header enter file in directory
                                                                                                                     (GENERAL),
                                                                                        ADDRESSING_MODE
                                                        READ HEADER
ENTER
                                                                                        L NORM.
                                                                                         L NORM,
                                                                                                                     copy file name to result string
set file revision and exp dates
                                                         COPY NAME
                                                                                         L NORM.
                                                         SET REVISION
                                                                                         L NORM.
                                                         CREATE_FCB
CREATE_WINDOW
                                                                                         L NORM.
                                                                                                                     create an FCB
                            1360
1361
1362
1363
1364
1365
                                                                                                                     create a window
                                                                                        L NORM.
     372
373
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375
376
                                                         SET EXPIRE
                                                                                          NORM.
                                                                                                                     enable expiration date recording
                                                                                         L NORM.
                                                                                                                     complete the access mark FCB for delete
                                                         MARKDEL FCB
WRITE ATTRIB
                                                                                        L NORM.
                                                                                        L NORM.
                                                                                                                     write attributes
                                                         EXTEND
                                                                                     : L NORM.
                                                                                                                    extend the file
```

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F 16
CREATE
VO4-001
                                                                                                                                                                                                                       16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                                                                                                                                                                                        VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
                                                                                                           SAVE_CONTEXT : RESTORE_CONTEXT : MARK_DECETE : REMAP_FILE : SEARCH_FCB :
                                                                                                                                                                 : L_NORM,
: L_NORM,
: L_NORM,
                                                                                                                                                                                                                              save reentrant context area
          378
379
                                                                                                                                                                                                                              restore reentrant context area
                                                                                                                                                                 : L_NORM, ! mark file for delete
: L_NORM, ! remap the file completely
: L_NORM ADDRESSING_MODE (GENERAL); ! Search FCB list
           380
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                                                     1372
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1
                                                                                      Enable the deaccess cleanup if an access is taking place.
          386
387
388
389
390
391
392
393
                                                                                PACKET = .10 PACKET;

FUNCTION = .PACKET[IRP$W_FUNC];
                                                                                 IF .FUNCTION[10$V_ACCESS]
                                                                                 THEN
                                                                                              BEGIN
                                                                                              CLEANUP_FLAGS[CLF_ZCHANNEL] = 1;
CLEANUP_FLAGS[CLF_DELWINDOW] = 1;
          394
395
          396
397
                                                                                      Set up pointers to interesting control blocks.
          398
399
400
401
402
403
                                                                                PCB = .SCH$GL_PCBVEC[.(IO_PACKET[IRP$L_PID])<0,16>];
                                                                                ABD = .BBLOCK [.PACKET[IRP$L_SVAPTE], AIB$L_DESCRIPT]; | pointer to buffer descriptors
                                                                                FIB = GET_FIB (.ABD);
                                                                                                                                                                                                                             pointer to FIB
                                                                              IF .FIB[FIB$V_TRUNC]
OR .FIB[FIB$W_VERLIMIT] GTRU 32767
OR (.FUNCTION[IO$V_DELETE] AND NOT .FUNCTION[IO$V_ACCESS])
OR (NOT .FUNCTION[IO$V_CREATE]
    AND (.FIB[FIB$V_EXTEND]
    OR .PACKET[IRP$W_BCNT] GTR ABD$C_ATTRIB
    OR .FUNCTION[IO$V_ACCESS]
         404
405
406
407
408
409
410
                                                     1396
1397
                                                     1398
1399
                                                      1400
         412
                                                      1401
                                                     1402
                                                                                THEN ERR_EXIT (SS$_BADPARAM);
         414
                                                     1404
1405
1406
1407
1408
1409
1410
1411
1413
1414
1415
                                                                                 IF .CURRENT_VCB[VCB$V_NOALLOC]
         416
                                                                                 THEN ERR_EXIT (SS$_WRITLCK);
         418901234567890123
4423442567890123
                                                                                      Do the create if requested. Start by allocating a file number from the
                                                                                       index file bitmap and reading in the initial file header.
                                                                                 IF .FUNCTION[IO$V_CREATE]
                                                                                 THEN
                                                                                              BEGIN
                                                                                       Deal with special cases related to create-if. Release any serialization
                                                      1416
1417
1418
1419
                                                                                       lock we are holding, and force supersede mode to dispose of bad
                                                                                       directory entries.
                                                      1420
1421
1422
                                                                                              IF .PACKET[IRP$V_FCODE] EQL 10$_ACCESS THEN
                                                                                                           BEGIN
```

```
G 16
16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                                                           VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
                                                   IF .PRIM_LCKINDX NEQ O
    THEN
                                                        BEGIN
RELEASE SERIAL LOCK (.PRIM_LCKINDX);
PRIM_LCKINDX = 0;
                                                  FIB[FIB$V_SUPERSEDE] = 1:
                                        Finally, the protection check if the directory has been accessed. This is because the protection check is not done in DIR_ACCESS (via ENTER) if
                                         the directory file has already been accessed.
                                                  IF .DIR FCB NEQ 0
AND .CLEANUP_FLAGS[CLF_DIRECTORY]
AND NOT .CLEANUP_FLAGS[CLF_SPOOLFILE]
                                                  THEN
                                                        STATUS = CHECK_PROTECT (WRITE_ACCESS, 0, .DIR_FCB, 0, (IF .BBLOCK (FIBCFIB$C_ALT_ACCESS), ARM$V_DELETE]

THEN ARM$M_WRITE_ELSE 0),

.FIBCFIB$V_ALT_REG]);
                                                         IF .STATUS EQL SS$_NOTALLPRIV
THEN FIBEFIB$V_ALT_GRANTED] = 0;
                                                         END;
                                                  END:
                         Handle any placement specified and find a suitable volume for the
                                         file in a volume set.
                                           FIB[FIB$V_PROPAGATE] = 0;
IF .FIB[FIB$V_ALLOCATR]
THEN GET_LOC_ATTR (.ABD, .FIB);
GET_LOC (.FIB, LOC_RVN, LOC_LBN);
IF .LOC_RVN NEQ 0
                                                                                                                 ! Since propagation is implied
                                            AND .FIB[FIB$V_EXACT]
                                            THEN
                                                  SWITCH_VOLUME (.LOC_RVN)
                                                  SELECT_VOLUME (.FIB, (IF .FIBCFIB$V_EXTEND]
THEN .FIBCFIB$L_EXSZ]
ELSE 0));
                                            CHECK_PROTECT (CREATE_ACCESS, 0, 0, 0); ! Chec IF .BBLOCK [CURRENT_UCB[UCB$L_DEVCHAR], DEV$V_SWL] OR .CURRENT_VCB[VCB$V_NOALLOC]
                                                                                                                    Check volume protection
    480
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488
                                            THEN ERR_EXIT (SS$_WRITLCK);
                                            HEADER = CREATE_HEADER (FIB[FIB$W_FID]);
                                        Now build an initialized file header in the buffer.
                                            ARB = .PACKET[IRP$L_ARB];
    489
    490
                                            IF .EXESGL_DYNAMIC_FLAGS<EXESV_CLASS_PROT,1>
```

```
H 16
                                                                                                              16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                                                                       VAX-11 Bliss-32 V4.0-742 PARTICIPATE B32;2
                                               THEN HEADER[FH2$B_IDOFFSET] = FH2$C_FULL_LENGTH / 2
ELSE HEADER[FH2$B_IDOFFSET] = FH2$C_LENGTH / 2;
HEADER[FH2$B_MPOFFSET] = .HEADER[FH2$B_IDOFFSET] + F12$C_LENGTH / 2;
HEADER[FH2$B_ACOFFSET] = ($BYTEOFFSET (FH2$W_CHECKSUM)) / 2;
HEADER[FH2$B_RSOFFSET] = ($BYTEOFFSET (FH2$W_CHECKSUM)) / 2;
HEADER[FH2$W_SEG_NUM] = 0;
HEADER[FH2$W_STROCLEV] = FH2$C_LEVEL2 + 1;
    CH$FILL (0, 512 - $BYTEOFFSET(FH2$W_EXT_FID), HEADER[FH2$W_EXT_FID]);
HEADER[FH2$L_FILEOWNER] = .ARB[ARB$[_UIC];
HEADER[FH2$W_FILEPROT] = .PCB[PCB$L_DEFPROT];
                                                IF .FUNCTION[IO$V_DELETE]
THEN HEADER[FH2$V_MARKDEL] = 1;
                                                 IF .CLEANUP_FLAGS[CLF_SPOOLFILE]
                                                THEN HEADER[FH2$V_SPOOL] = 1;
                                                $ASSUME (ARB$S_CLASS_EQL_FH2$S_CLASS_PROT);
                                                IF .EXE$GL_DYNAMIC_FLAGS<EXE$V_CLASS_PROT.1>
THEN CH$MOVE (ARB$S_CLASS, ARB[ARB$R_CLASS], HEADER[FH2$R_CLASS_PROT]);
                                               NEW_FID = 0;
CLEANUP_FLAGS[CLF_DELFILE] = 1;
CLEANUP_FLAGS[CLF_HDRNOTCHG] = 1;
FILE_HEADER = .HEADER;
CHECKSUM (.HEADER);
                                                                                                              ! new file ID is no longer unrecorded
                                                                                                              ! record header address for cleanup
                                            At this point build the necessary FCB, even if the file is not accessed.
                                             This is necessary to allow the ACL to be built.
                                                FCB = KERNEL_CALL (CREATE_FCB, .HEADER);
PRIMARY_FCB = .FCB;
                                                END:
                                            If a non-zero directory ID is supplied, enter the file in the directory. Otherwise, just copy down the name string (if any) into the result string. Note that directory operations are also nooped on speol files operations.
                                         IF .CLEANUP_FLAGS[CLF_DIRECTORY] AND NOT .CLEANUP_FLAGS[CLF_SPOOLFILE]
                                         THEN
                                                CHSFILL (O, FIDSC_LENGTH, OLD VERSION FID);
ENTER (.ABD, .FIB, RESULT_LENGTH, RESULT);
                                            Always attempt to release the allocation lock here. We will be holding it if the directory was extended. It might make more sense to release
                                             it in the directory extension, but the call is relatively cheap.
                                                ALLOCATION_UNLOCK ();
                                            ENTER may have flushed the new buffer from the cache if either the
                                            directory file header(s) and quota file header(s) were accessed and
```

```
I 16
16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                           VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11X.SRC]CREATE.B32;2
                                there were multiple headers. Make sure FILE_HEADER is what we think
   IF .FUNCTION [IOSV_CREATE]
                                       FILE_HEADER = READ_HEADER (O, .FCB);
                                  IF .FUNCTION[IO$V_CREATE] OR .FIB[FIB$V_PROPAGATE]
                                  THEN
                                       BEGIN
                               If the CREATE modifier was not specified, then this must be a directory
                               entry operation. In which case it is necessary to actually access the file being entered, so that an FCB will exist for the propagation to
                               occur.
                                       IF NOT .FUNCTION[IO$V_CREATE]
                                       THEN
                                            BEGIN
                   1558
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1566
                               Switch context to the volume of the specified RVN.
                                            SWITCH_VOLUME (.FIB[FIB$W_FID_RVN]);
                               Synchronize further processing on this file.
                                            PRIM_LCKINDX = SERIAL_FILE (FIB [FIB$W_FID]);
   1568
                               find the FCB of the file, if one exists, then read the file
                   1569
1570
                               header. If there is no FCB, create one.
                   1571
1572
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1579
                                            FCB = SEARCH_FCB (FIB[FIB$W_FID]);
                                            HEADER = READ_HEADER (FIB[FIB$W_FID], .FCB);
                                            FCB_CREATED = 0:
                                            IF .FCB EQL 0
                                            THEN
                                                 BEGIN
                                                 FCB_CREATED = 1;
                                                 FCB = KERNEL_CALL (CREATE_FCB, .HEADER);
                                            PRIMARY_FCB = .FCB;
                                                                                        ! record FCB for external use
                   1584
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1593
                               If the file is multi-header, read the extension headers and create
                                extension FCB's as necessary. Finally read back the primary header.
                                            IF .FCB_CREATED
                                                 BUILD_EXT_FCBS (.HEADER)
                                                 IF .FCB [FCB$V_STALE]
```

```
16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                                            VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
    605
606
607
                      REBLD_PRIM_FCB (.PRIMARY_FCB, .HEADER);
BUILD_EXT_FCBS (.HEADER);
    608
                                    Wipe out any acls that may have existed, because they are going
                                    to be propagated.
                                                   IF .BBLOCK [FCB [FCB$R_ORB], ORB$V_ACL_QUEUE]
                                                        ACL_DELETEACL (FCB [FCB$L_ACLFL], 0);
                                                   END:
   ! Now propagate the file attributes to the file just entered.
                                             STATUS = PROPAGATE ATTR (.FIB);
IF NOT .STATUS THEN ERR_EXIT (.STATUS);
                                             HEADER = .FILE_HEADER;
HEADER[FH2$L_FILEOWNER] = .PRIMARY_FCB[FCB$L_FILEOWNER];
HEADER[FH2$W_FILEPROT] = .PRIMARY_FCB[FCB$W_FILEPROT];
                                             CHECKSUM (.HEADER)
                                             MARK_DIRTY (.HEADER);
                                             END:
                                       END
                                 ELSE
                                       BEGIN
                                       KERNEL_CALL (COPY_NAME, .ABD);
RESULT_LENGTH = MINU (.ABD[ABD$C_NAME, ABD$W_COUNT], F12$S_FILENAME+F12$S_FILENAMEXT);
CH$MOVE (.RESULT_LENGTH,
                                             .ABD[ABD$C_NAME, ABD$W_TEXT] + ABD[ABD$C_NAME, ABD$W_TEXT] + 1, RESULT);
                                    Read the file header, regardless of the operation. Do a protection check on the directory pointed to by the present back link. If it is not valid,
                                     or if write access is allowed, then overwrite the back link with the new
                                    directory ID. Copy the file string into the header ident area. Then write
                                    attributes as specified.
                                 IF .FIB[FIB$W_FID_NUM] NEQ 65535
OR .FIB[FIB$W_FID_SEQ] NEQ 65535
OR .FIB[FIB$B_FID_NMX] NEQ 255
                                  THEN
                                       PRIMARY VCB = .CURRENT VCB;
IF .PRIMARY_VCB[VCB$W_RVN] NEQ 0
                                             UCB = .VECTOR [CURRENT_RVT[RVT$L_UCBLST], 0];
                                              IF .UCB EQL O
                                             THEN ERR EXIT (SS$ DEVNOTMOUNT);
PRIMARY VCB = .UCB[UCB$L_VCB];
    660
                                        IF .PRIM_LCKINDX EQL O
```

```
K 16
CREATE
VO4-001
                                                                                                  16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                      VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
                        662
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670
                                                 PRIM_LCKINDX = SERIAL_FILE (FIB [FIB$W_FID]);
                                           HEADER = READ_HEADER (FIB[FIB$W_FID], 0)
                                           IDENT_AREA = THEADER + .HEADER[FH2$B_IDOFFSET]+3:
                                           CHSMOVE (FIDSC_LENGTH, HEADER[FH2$W_BACKLINK], PREV_LINK);
IF .PREV_LINK[FID$W_NUM] EQL 0
AND .PREV_LINK[FID$W_RVN] EQL 0
                                           THEN
                                                 IF NOT .CLEANUP_FLAGS[CLF_SPOOLFILE]
                                                       CH$MOVE (FID&C_LENGTH, FIB[FIB&W_DID], HEADER[FH2&W_BACKLINK]);
DEFAULT_RVN (HEADER[FH2&W_BK_FIDRVN], CURRENT_RVN);
                                                       CLEANUP_FLAGS[CLF_FIXLINK] = 1;
    680
681
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693
                                                CH$MOVE (FI2$S_FILENAME, IDENT_AREA[FI2$T_FILENAME], PREV_INAME);
CH$MOVE (FI2$S_FILENAMEXT, IDENT_AREA[FI2$T_FILENAMEXT],
PREV_INAME[FI2$S_FILENAME]);
CH$COPY (.RESULT_LENGTH, RESULT, ', FI2$S_FILENAME, IDENT_AREA[FI2$T_FILENAME]);
IF .HEADER[FH2$B_MPOFFSET] - .HEADER[FH2$B_IDOFFSET]
GEQU ($BYTEOFFSET (FI2$T_FILENAMEXT) + FI2$S_FILENAMEXT) / 2
                                                 THEN
                                                       BEGIN
                                                       K = MAX (.RESULT LENGTH - F12$5 FILENAME, 0);
CH$COPY (.K, RESULT[F12$5 FILENAME],
                                                                    FI2$S_FILENAMEXT, IDENT_AREA[FI2$T_FILENAMEXT]);
                                                       END:
    694
                                       Update revision count and date and expiration date as appropriate.
    696
                                                SET_REVISION (.HEADER, 3);
END;
    698
699
700
701
                                       Set up file dates; then write the attributes.
    702
703
704
705
706
707
708
709
                                          IF .FUNCTION[10$V_CREATE]
THEN
                                                 IDENT_AREA[FI2$W_REVISION] = 0;
                                                 CH$MOVE (F12$S_CREDATE, IDENT_AREA[F12$Q_REVDATE], IDENT_AREA[F12$Q_CREDATE]);
                                                 IF .PACKET[IRP$W_BCNT] GTR ABD$C_ATTRIB
     710
                                                 THEN
                                                       WRITE_ATTRIB (.HEADER, .ABD, 0);
                                                       HEADER = .FILE_HEADER;
    714
715
    716
717
                                       If the file is now owned by a UIC other than the creator, add an ACL
                        1706
                                        entry granting owner's access to the creator. Then write the modified
                                       ACL into the header.
```

```
L 16
16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                                                                                VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
                             1708
1709
1710
     IF .HEADER[FH2$L_FILEOWNER] NEQ .ARB[ARB$L_UIC]
AND NOT .CLEANUP_FLAGS[CLF_SYSPRV]
                             THEN
                                                                BEGIN
ACL_INIT_QUEUE (PRIMARY_FCB[FCB$R_ORB]);
ACL_CONTEXT = 0;
ACE[ACE$B_SIZE] = ACE_LENGTH;
ACE[ACE$B_TYPE] = ACE$C_KEYID;
ACE[ACE$W_FLAGS] = ACE$M_NOPROPAGATE;
ACE[ACE$L_ACCESS] = ACE$M_CONTROL OR
(.(HEADER[FH2$W_FILEPROT])<4,4> XOR %B'1111');
ACE[ACE$L_KEY] = .ARB[ARB$L_UIC];
ACL_ADDENTRY (PRIM RY_FCB[FCB$L_ACLFL], ACL_CONTEXT, ACE_LENGTH, ACE);
STATUS = ACL_BUILDACL (.PRIMARY_FCB);
IF NOT .STATUS THEN ERR_EXIT (.STATUS);
END:
                                                                 BEGIN
                                                          CHARGE_QUOTA (.HEADER[FH2$L_FILEOWNER], 1, BITLIST (QUOTA_CHECK, QUOTA_CHARGE));
CLEANUP_FLAGS[CLF_HDRNOTCHG] = 0;
                                              If access is requested, access the file.
                                                          IF .FUNCTION[IO$V_ACCESS]
     744
                                                          THEN
                                                                 BEGIN
     746
                                                                  IF NOT ARBITRATE_ACCESS (.FIB [FIB$L_ACCTL], .FCB)
     748
749
750
751
752
753
754
755
                                                                        BUG_CHECK (XQPERR, 'how can we fail to access a new file?');
                                                                 CURRENT_WINDOW = CREATE_WINDOW (.FIB[FIB$L_ACCTL], .FIB[FIB$B_WSIZE], .HEADER, .PACKET[IRP$L_PID], .FCB);
                                                                 IF .CURRENT_WINDOW EQL 0
     756
757
758
760
761
762
763
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766
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7768
7771
7773
7774
                                                                        BEGIN
                                       06666665
                                               This will dequeue the access lock we may have taken above (if a cluster
                                               device) because the refent will be zero.
                                                                         CONV_ACCLOCK (O, .FCB);
                                                                        ERR_EXIT (SS$_EXBYTLM);
                                                                 MAKE_ACCESS (.FCB, .CURRENT_WINDOW, .ABD);
                                                                 IF .FUNCTION[IO$V_DELETE]
THEN KERNEL CALL (MARKDEL FCB, .FCB);
IF .(PRIMARY_VCB[VCB$Q_RETAINMAX]+4) NEQ 0
                             1760
1761
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1764
                                                                  THEN KERNEL_CALL (SET_EXPIRE);
                                                                 END:
                                               Now extend the file if requested.
```

```
M 16
                                                                                                                                                                                                                                 16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                                                                                                                                                                                                                                     VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
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          IF .FIB[FIB$V_EXTEND] THEN EXTEND (.FIB, .HEADER);
HEADER = .FILE_HEADER;
KERNEL_CALL (UPDATE_FCB, .HEADER);
                                                                                                   CHECKSUM (.HEADER)
                                                                                                   MARK_DIRTY (.HEADER);
                                                                                                  IF (.FUNCTION[IO$V_CREATE] OR .FIB[FIB$V_PROPAGATE])
AND .PRIMARY_FCB NEQ 0
                                                                                                                 IF .BBLOCK[PRIMARY_FCB[FCB$R_ORB], ORB$V_ACL_QUEUE]
                                                                                                                 THEN
                                                                                                                             BEGIN
STATUS = ACL_BUILDACL (.PRIMARY_FCB);
IF NOT .STATUS THEN ERR_EXIT (.STATUS);
                                                                                           Perform the remap operation if necessary to account for any initial extend.
                                                                                                   IF .FUNCTION[IO$V_ACCESS] AND .FIB[FIB$V_EXTEND]
THEN IF .CURRENT_WINDOW[WCB$V_CATHEDRAL]
                                                                                                   THEN REMAP_FILE ();
                                                                                           If this is a supersede operation, delete the file that was removed during the enter operation above. This must be done last since we cannot undo
                                                                                           a delete in cleaning up from a subsequent error. We first copy the primary
                                                                                           context into the context save area since this is a secondary operation.
                                                                                    IF .CLEANUP_FLAGS[CLF_SUPERSEDE]
                                                                                   THEN
          811
                                                                                                  BEGIN
                                                                                                 814
815
          816
817
818
819
                                                                                                   END:
          820
821
822
823
824
                                                                                    RETURN 1:
                                                                                    END:
                                                                                                                                                                                                                                 ! end of routine CREATE
                                                                                                                                                                                                                                                                     .TITLE
                                                                                                                                                                                                                                                                                                 CREATE
                                                                                                                                                                                                                                                                                                 1404-0011
                                                                                                                                                                                                                                                                                                ACP$GB_WRITBACK
SCH$GL_PCBVEC, EXE$GL_DYNAMIC_FLAGS
EXE$V_CLASS_PROT
                                                                                                                                                                                                                                                                      .EXTRN
                                                                                                                                                                                                                                                                     .EXTRN
```

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17

```
ACL DELETEACL, UPDATE FCB
REBED PRIM FCB, BUILD EXT FCBS
RELEASE SERIAL LOCK
ALLOCATION UNLOCK
ARBITRATE ACCESS
CONV ACCLOCK, SERIAL FILE
GET FIB, GET LOC ATTR
GET LOC, SWITCH VOLUME
SELECT VOLUME, CHECK PROTECT
CHARGE QUO'A, CREATE HEADER
CHECKSOM, MARK DIRTY
ACL INIT QUEUE, ACL ADDENTRY
ACL INIT QUEUE, ACL ADDENTRY
ACL BUILDACL, READ READER
ENTER, COPY NAME
SET REVISION, CREATE FCB
CREATE WINDOW, SET EXPIRE
MAKE ACCESS, MARKDEL FCB
WRITE ATTRIB, EXTEND
SAVE CONTEXT, RESTORE CONTEXT
MARK DELETE, REMAP FILE
SEARCH FCB, BUGS XOPERR
                                                                                                .EXTRN
                                                                                               .EXTRN
                                                                                                .EXTRN
                                                                                                .EXTRN
                                                                                                .EXTRN
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                                                                                                .EXTRN
                                                                                                .EXTRN
                                                                                                .EXTRN
                                                                                                                  SCODES, NOWRT, 2
                                                                                                .PSECT
                                                    OBFC 00000
                                                                                                                  CREATE, Save R2,R3,R4,R5,R6,R7,R8,R9,R11 -128(SP), SP
                                                                                                 .ENTRY
                                                                                                                                                                                                                           1252
               5E
                                                         9E
                                                               00002
                                                                                                MOVAB
                                                                                                PUSHAB
                                                                                                                                                                                                                           1328
                                                AA AA CAA 200
                                                               00006
                                                                                                                  4(BASE)
                                                         9F
                                                               00009
                                                                                                PUSHAB
                                                                                                                  8(BASE)
                                                        9E
9F
9F
9F
                                                                                                                 24(BASE), R9
48(BASE)
               59
                                                               00000
                                                                                                MOVAB
                                                               00010
                                                                                                PUSHAB
                                                               00013
                                                                                                PUSHAB
                                                                                                                  424 (BASE)
                                                              00017
                                                                                                PUSHAB
                                                                                                                  580 (BASE)
                                                        DD
C1
3C
                                                                                               PUSHL ADDL 3
                                                               0001B
                                                                                                                  -112(BASE)
                                                                                                                 #32, PACKET, RO
(RO), FUNCTION
#6, FUNCTION, 1$
#1026, 2(BASE)
a#SCH$GL PCBVEC, R1
-112(BASE), RO
                                                               0001E
                                                              0001E
00022
00025
00029
0002F
00036
0003A
0003D
00040
                                                                                                MOVZWL
                                                06
8F
                                                        E1 800000
                                                                                                BBC
                      000000006
    02
                                                                                               BISW2
                                                                                                MOVL
                                               AA
0C
60
                                                                                                MOVL
                                                                                                                 #12, R0
(R0), R0
(R1)[R0], PCB
#44, PACKET, R0
a(R0)+, ABD
                                                                                                ADDL2
                                                                                                MOVZWL
                                           6140
90
56
01
50
A7
                                                        DÕ
C1
                                                                                                MOVL
                                                               00044
00049
0004C
    04
               AE
56
                                                                                                ADDL3
                                                                                                                                                                                                                           1389
                                                         DO
                                                                                                MOVL
                                                         DD
                                                                                                PUSHL
                                                                                                                  ABD
                                                                                                                                                                                                                           1391
                                                                                                                 #1, GET_FIB
RO, FIB
23(FIB), 3$
44(FIB), #32767
                                                               0004E
00053
                                                        0000G
                                                                                                CALLS
                                                                                                MOVL
                                                               00056
0005A
                                                                                                                                                                                                                           1393
1394
                                                                                                BLBS
                8F
7FFF
                                    20
                                                                                                CMPW
                                                               00060
00062
00066
0006A
0006E
00071
00073
                                                                                                BGTRU
                                                                                                                 FUNCTION+1, 2$
#6, FUNCTION, 3$
FUNCTION
                                    01
                                                                                                                                                                                                                           1395
                                                AE 06 16 A7 0E 32
                                                                                                BLBC
               6E
                                                                                                BBC
                                                                                                                                                                                                                           1396
                                                                                                TSTB
                                                                                               BLSS
                                                                                                                  22(FIB)
                                                                                                                                                                                                                           1397
                                    16
                                                                                                BLSS
                                                                                                                                                                                                                           1398
                                                                                                ADDL3
                                                                                                                  #50, PACKET, RO
    04
               AE
```

					1	-Sep-1	984 00:06 984 12:30	:06 VAX-11 Bliss-32 V4.0-742 :13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32	Page 17
			05	60	B1 00078 1A 0007B		CMPW BGTRU	(RO), #5	:
		03	6E	60 04 06 14	E1 0007B BF 00081	38:	CHMU	3\$ #6, FUNCTION, 4\$ #20	1399
		03 OB	50 A0	98 AA	04 00083 00 00084 E1 00088	48:	RET MOVL BBC	-104(BASE), RO #4, 11(RO), 5\$ 16\$	1404
				00C2 6E 03	31 00080 95 00090 19 00092	58:	TSTB BLSS	FUNCTION	1411
32		50 04 60	AE 06	015E 000 000 4F	E1 0007D BF 00081 04 00083 D0 00084 E1 0008D 95 00090 19 00092 31 00094 C1 00097 ED 00097 ED 000A7 FB 000A9 D4 000AE 88 000B0 D0 000B4 13 000B9	6\$:	MOVL BBC BRW TSTB BLSS BRW ADDL3 CMPZV BNEQ TSTL BEQL PUSHL CALLS CLRL BISB2 MOVL BEQL BEQL	6\$ 23\$ #32, PACKET, RO #0, #6, (RO), #50 10\$ (R9)	1420
				69	D5 000A3		TSTL	(R9)	1423
		00006	CF	69 09 69 01	DD 000A7		PUSHL	(R9)	1426
				69	D4 000AE	70.	CLRL	#1, RELEASE_SERIAL_LOCK	: 1427
		15	A7 50 00	DO CA	00 000B4	/>:	WOAT B12B5	#4, 21(FIB) 208(BASE), RO 10\$	1427 1429 1436
		33	6A	06 6A	E1 000BB 95 000BF 19 000C1		BBC TSTB	#6, (BASE), 10\$ (BASE)	1437
7E	38	A7 04 3c	01 A7	2F 00 03 02	EF 000C3 E1 000C9 DD 000CE 11 000D0		BBC TSTB BLSS EXTZV BBC PUSHL	10\$ #0, #1, 56(FIB), -(SP) #3, 60(FIB), 8\$	1444
		00006	7E CF	00 03 02 7E 7E 50 01 06	E1 0007D BF 00083 00088 00088 00088 00088 00088 000994 000994 000994 000997 000999 000	8\$: 9\$:	BRB CLRL PUSHL MOVUS CALLS BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB2 BICB3 BICB2 BIC	9\$ -(SP) -(SP) R0 #1, -(SP) #6, CHECK_PROTECT R0, STATUS STATUS, #1665	1441
		00000681	AE 8F	24 AE	DO 000E0 D1 000E4		CMPL	RO, STATUS STATUS, #1665	1445
		38 38 16	A7 A7 A7 7E CF	24 AE 04 02 08 04 56 02 20 AA	12 000EC 8A 000EE 8A 000F2 F1 000F6	10\$:	BNEQ BICB2 BICB2 BBC	10\$ #2, 56(FIB) #8, 56(FIB) #4, 22(FIB), 11\$	1446 1454 1455
		00006		20 AA 10 AA 57	12 000EC 8A 000EE 8A 000F2 E1 000F6 7D 000FB FB 00103 9F 00106 DD 00109 FB 00110 13 00113 E9 00115 DD 00119 FB 0011C	11\$:	MOVQ CALLS PUSHAB PUSHAB	10\$ #2, 56(FIB) #8, 56(FIB) #4, 22(FIB), 11\$ ABD, -(SP) #2, GET_LOC_ATTR 32(BASE) FIB #3, GET_LOC 28(BASE) 12\$ 32(FIB), 12\$ 28(BASE) #1, SWITCH_VOLUME 15\$ 22(FIB) 13\$ 24(FIB)	1455 1456 1457
		00000	CF	03	FB 0010B D5 00110		CALLS	#3. GET_LOC 28(BASE)	1458
			0A	1C AA 0E 20 A7 1C AA	E9 00115		BLBC	32(FIB), 12\$	1459
		00000	CF	1C AA	FB 0011C		CALLS	#1, SWITCH_VOLUME	: 1401
				16 A7	95 00123	12\$:	TSTB	22(FIB)	1463
				18 A7	95 00123 18 00126 DD 00128 11 00128		PUSHL	24(FIB)	1464
				02 7E	11 0012B 04 0012D	13\$:	BRB	24(FIB) 14\$ -(SP)	: 1463

0000G

PUSHAB MOVQ

CALLS

					E 1 16-Sep- 14-Sep-	1984 00:06 1984 12:30	:06 VAX-11 BLiss-32 V4.0-742 :13 DISK\$VMSMASTER:[F11X.SRC]	Page 19 CREATE.B32;2 (2)
	0000G	CF		00 6E	FB 00216 95 0021B	CALLS	#0, ALLOCATION_UNLOCK FUNCTION 26\$ FCB	; 1533 ; 1541
				0D 5B	18 0021D DD 0021F	PUSHL	FCB	: 1543
	0000G	CF BE		00 60 60 57 60 60 60 60 60 60 60 60 60 60 60 60 60	DD 0021F D4 00221 FB 00223 D0 00228 95 0022C 26\$:	CLRL	-(SP) #2, READ_HEADER	
				6E	95 0022C 26\$: 19 0022E	MOVL TSTB BLSS BBS BRW TSTB BLSS MOVZWL CALLS PUSHAB	RO, a24(SP) FUNCTION 27\$	1545
03	38	A7		0004	E0 00230	BBS BRW	#3, 56(FIB), 27\$	
				6E 6F	31 00235 95 00238 27\$: 19 0023A	BLSS	FUNCTION 31\$	1554
	0000G	7E CF	08	01	3C 0023C FB 00240 9F 00245	CALLS	8(FIB), -(SP) #1, SWITCH_VOLUME	1561
	0000G	CF 69	04	66F707105B7200555005555	9F 00245 FB 00248	CALLS	W1, SWITCH_VOLUME 4(FIB) W1, SERIAL_FILE R0, (R9) 4(FIB)	; 1566
			04	A7	FB 00248 D0 0024D 9F 00250	CALLS MOVL PUSHAB	RO, (R9) 4(FIB)	1572
,	0000000G	00 5B		50	9F 00250 FB 00253 D0 0025A DD 0025D 9F 0025F FB 00262 D0 00267	CALLS MOVL PUSHAB CALLS MOVL CLRL TSTL BNEQ MOVL		1
			04	A7	DD 0025D 9F 0025F	PUSHL	RO, FCB FCB 4(FIB) #2, READ_HEADER RO, HEADER FCB_CREATED	; 1573
	0000G	CF 58		50	FB 00262 D0 00267	MOVL	RO, HEADER	1
				5B	D5 0026C	TSTL	FCB_CREATED FCB 28\$: 1574 : 1576
		52		01	12 0026E 00 00270	MOVL	#1, FCB_CREATED HEADER	: 1579 : 1580
	0000G	CF		01	DO 00270 DD 00273 FB 00275 DO 0027A	CALLS	#1, CREATE_FCB	; 1580
	14	SB BE OE		5B	DO 0027D 28\$:	MOVL	FCB, @20(SP)	1582 1588
		11	23		E8 00281 E9 00284	BLBS BLBC	35 (FCB), 30\$	1592 1595
	00006		18	AB 58 058 01 76 02 77	DD 00288 DD 0028A FB 0028D DD 00292 29\$: FB 00294 E1 00299 30\$: D4 0029E 9F 002A0	PUSHL	#EADER #1, CREATE_FCB RO, FCB FCB, @20(SP) FCB_CREATED, 29\$ 35(FCB), 30\$ HEADER @24(SP) #2, REBLD_PRIM_FCB HEADER #1, BUILD_EXT_FCBS #1, 99(FCB), 31\$; 1595
	0000G	CF		58	DD 00292 29\$:	PUSHL	HEADER	1596
OD	0000G	CF AB		01	E1 00299 308:	BBC	#1, 99(FCB), 31\$	1603 1605
	00000000	00	0080	CB	9F 002A0	PUSHAB	128(FCB)	1605
,	00000000	00		57	DD 002AB 31\$:	PUSHL	#2, ACL_DELETEACL	1611
	0000V	CF AE 03	24	50	00 00282	MOVL	RO, STATUS	1412
			24	027E	31 002BA	BRW	55\$ 22((CD) HEADED	1612
	70	58 50 A8 50 A8	18 14 58 14 70	01 50 027E BE A0 BE A0 58	E9 00284 DD 0028A, FB 0028D DD 00292 FB 00294 E1 00299 D4 0029E 9F 002A0 FB 002A4 DD 002AB DD 002AB DD 002B2 E8 002B6 31 002BA D0 002C1 D0 002C5 D0 002CA B0 002CE DD 002D3 FB 002D5 DD 002DA	BLBC PUSHL PUSHL CALLS PUSHL CALLS PUSHL CALLS MOVL BLBS BRW MOVL MOVL MOVL MOVL MOVL MOVL MOVL MOVL	#1, PROPAGATE_ATTR RO, STATUS STATUS, 32\$ 55\$ a24(SP), HEADER a20(SP), RO 88(RO), 60(HEADER) a20(SP), RO 112(RO), 64(HEADER) HEADER #1, CHECKSUM HEADER	1613 1614
	30	50	14	BE	DO 002CA	MOVL	220(SP), RO	1615
	40 0000G	CF	70	58	DD 00203	PUSHL	HEADER	1616
	00000	Cr		58	DD 0020A	PUSHL	HEADER	: 1617

						F 1 16-Sep- 14-Sep-	1984 00:06:06 1984 12:30:13	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[F11X.SRC]CREATE.B3	Page 20 2;2 (2)
		0000G	CF		01 FI 29 1 56 DI 01 FI	3 002DC 1 002E1	CALLS #1 BRB 35 PUSHL AB	\$ MARK_DIRTY	1522 1622
		0000G 0056	CF 50 8F	12	56 DI 01 FI A6 3 50 B	002E5 002EA 1 002EE	CALLS #1 MOVZWL 18 CMPW RO BLEQU 34	(ABD), RO	1623
		28	50 AE 51	56 10	8F 9/	002F5 0002F9 34\$:	MOV7RI #8	6 80	1625
44	AE	FFFF A	140 8F	28 04	61 3 AE 2 A7 B 12 1	00301 00304 0030C 35\$:	MOVZWL (R MOVC3 RE CMPW 4(BNEQ 36	RESULT_LENGTH (ABD), RT 1), RO SULT_LENGTH, 1(R1)[RO], RESULT FIB), #65535	1624 1635
		FFFF	8F 8F	06 09	A7 B OA 1 A7 9	1 00314 2 0031A 1 0031C	BNEQ 36 CMPB 9(FIB), #65535 FIB), #255	1636
	50	20 20	AE AE	98	03 1; 0230 3 AA DI 0E C	0 00326 36\$: 1 0032B	ADDLS #1	\$ 04(BASE), PRIMARY_VCB 4, PRIMARY_VCB, RO	1640 1641
			50 51	9C 44 007C	14 1 AA DI AO DI 05 1	0 00338 2 00330	MOVL -1 MOVL 68	\$ 00(BASE), R0 (R0), UCB \$ 24	1644
		20	AE	34	0	0 00343 37\$:	RET MOVL 52 TSTL (R	(UCB), PRIMARY_VCB	1646 1647 1650
		0000G	CF 69	04	A1 D0 69 D1 0B 17 A7 91 01 FI 50 D0	0034C 0034F 00354	CALLS #1	FIB) , SERIAL_FILE	1652
		00006	CF 58	04	7E D4 A7 91 02 F1 50 D6 68 97	6 00359 3 00350 0 00361	CLRL -(PUSHAB 4(CALLS #2 MOVL RO	SP) FIB) , READ_HEADER , HEADER , HEADER , EADER), RO EADER), RO EADER)[RO], IDENT_AREA , 66(HEADER), @16(SP) 6(SP)	1655
10	BE	42	58 50 59 A8	10	840 31 06 22 BE B 68 12 60 B	00367 8 0036B 5 00371 2 00374 1 00376	CALLS #2 MOVL RO MOVZBL (H MOVAW (H MOVC3 #6 TSTW a1 BNEQ 44 ADDL3 #4 TSTW (R	EADER) [RO], IDENT AREA , 66 (HEADER), @16 (SP)	1657 1658
	50	10	AE		04 C 60 B	1 00376	ADDL3 #4	16(SP), RO 5)	1659
42	A8 A8	0A	A7 08		17 1	0037F 00381 00383 00389	TSTB (B BLSS 41 MOVC3 #6 CMPZV #0	ASE) \$ 10(FIR) 66(HEADER)	1662 1665 1666
ОС	BE 7E 9E 20	03 00 36 44	AA 69 AE A9 AE	46 40 0042 28	06 20 00 EI 03 13 A8 96 8F 86 14 20 AE	1 0039F	BNEQ 44 TSTB (B BLSS 41 MOVC3 #6 CMPZV #0 BNEQ 40 CLRB 70 BISB2 #6 MOVC3 #2 ADDL3 #2 MOVC3 #6 MOVC5 RE	#8, 70(HEADER), -96(BASE) (HEADER) 4, 3(BASE) 0, (IDENT_AREA), a12(SP) 0, 12(SP), -(SP) 6, 54(IDENT_AREA), a(SP)+ SULT_LENGTH, RESULT, #32, #20, -	1667 1670 1672 1673

CREATE VO4-001									1	5 1 5-Sep- 4-Sep-	1984 00:06 1984 12:30	0:06 VAX-11 Bliss-32 V4.0-742 Pag 0:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2	e (21 (2)
					50 51 50 30	01	69 68 68 51	9A C2 D1	003B2 003B3 003B7 003BA 003BD		MOVZBL MOVZBL SUBL2 CMPL BLSSU SUBL3 BGEQ CLRL MOVC5	(IDENT_AREA) 1(HEADER), RO (HEADER), R1 R1, R0 R0, #60 43\$	1674 1675
10 2 4			50	28	AE		14	C3	003C2 003C7		SUBL3 BGEQ	#20, RESULT_LENGTH, RO	1678
0042	8F		20	58	AE	36	50 50 A9	20	003C9 003CB 003D3	428:	MOVC5	RO K, RESULT+20, #32, #66, 54(IDENT_AREA)	1680
1.				0000G	CF		03 58 02	DD DD FB	003D5 003D7 003D9	43\$:	PUSHL PUSHL CALLS	#3 HEADER #2. SET REVISION	1686
							6E 03 011F	95 19 31	003DE 003E0 003E2	445:	TSTB BLSS BRW	#2. SET REVISION FUNCTION 45\$ 53\$	1692
		16	A9 50	1E 04	A9 AE 05	14	A9 08 32 60 0F	84 28 C1 B1	003EE 003F3	45\$:	PUSHL PUSHL CALLS TSTB BLSS BRW CLRW MOVC3 ADDL3 CMPW BLEQU CLRL PUSHL PUSHL CALLS MOVL ADDL3	20(IDENT_AREA) #8, 30(IDENT_AREA), 22(IDENT_AREA) #50, PACKET, R0 (R0), #5	1695 1696 1698
							7E 56 58 03	04	003F8		CLRL	-(SP) ABD HEADER	1701
			50	0000G 1C	CF 58 AE 60	18 30	BE 38	FB DC C1 D1	003FE 00403 00407 0040C	46\$:	CALLS MOVL ADDL3 CMPL	#3, WRITE ATTRIB a24(SP), READER #56, ARB, RO 60(HEADER), (RO) 47\$	1702 1709
			7E	000000006	SF BE 00	00000058	A8 63 AA 8F 01	13 E8 C1 FB	00410 00412 00416 0041F		CMPL BEQL BLBS ADDL3 CALLS CLRL MOVL	#88. a20(SP)(SP)	1710 1713
	50	40	A8	30	AE 04	08000100	AE 8F 04 0F	D4 D0 EF	00429		CLRL MOVL EXTZY	#1. ACL_INIT_QUEUE ACL_CONTEXT #134217996, ACE #4, #4, 64(HEADER), RO	1714 1715 1719
		34	AE 50	10	50 50 AE AE		10 38	C C C C C T	00437 0043A 0043F		BISL3 ADDL3	#15, R0 #16, R0, ACE+4 #55, ARB, R0	1718 1720
				1C 38	AE	30	AE OC	9F 00 9F	00444 00448 0044B		MOVL PUSHAB PUSHL	#4, #4, 64(HEADER), RO #15, RO #16, RO, ACE+4 #55, ARB, RO (RO), ACE+8 ACE	1721
			7E	000000006	BE 00	0000080	60 AE 00 AE 8F 04	C1 FB	0044D 00450 00459		PUSHAB ADDL3 CALLS	ACL_CONTEXT #128, a32(SP), -(SP) #4, ACL_ADDENTRY a20(SP) #1, ACL_BUILDACL R0, STATUS STATUS, 47\$	
- 1				000000006	00 AE 03	14	9E 01 50	FB DO	00460 00463 0046A		PUSHL CALLS MOVL	#1. ACL_BUILDACL RO. STATUS	1722
					03	24	50 AE 00C6 03	31 DD	0046E 00472 00475	475:	BLBS BRW PUSHL	STATUS, 47\$ 55\$ #3	1723 1726
				0000G	CF AA	30	01 A8 03	DD FB 8A	00477 00479 00470 00481		EXTZV XORLZ BISL3 ADDL3 MOVLAB PUSHAB ADDL3 CALLS PUSHL CALLS BLBS BRW PUSHL PUSH PUSHL PUSH PUSHL PUSH PUSHL PUSH PUSH PUSH PUSH PUSH PUSH PUSH PUSH	#1 60(HEADER) #3, CHARGE QUOTA #8, 3(BASE) #6, FUNCTION, 51\$ FCB, R1	
			63		6E 51		08 06 5B	E1	00489		WOAL	FCB, R1	1727 1732 1736

						15	Sep-	1984 00:06 1984 12:30	0:06 VAX-11 Bliss-32 V4.0-742 Page 13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2	ge (22 (2)
		50		00000	90	0048C 0048F		MOVL	(FIB), RO ARBITRATE_ACCESS RO, 48\$	
		04		50	30 E8 EFF	00492		BLBS	RO, 48\$	1738
				00	00*	00495 00497 00499	100.	WORD	<bug\$_xqperr!4></bug\$_xqperr!4>	
52	08	AE		5B 0C 62 58 A7	C1 DD	0049B 004A0	48\$:	MOVL BSBW BLBS BUGW .WORD PUSHL ADDL3 PUSHL PUSHL CVTBL PUSHL	FCB #12, PACKET, R2 (R2) HEADER 3(FIB), -(SP)	1741
		7E	03	58	98	004A2		PUSHL	HEADER	
			03	67		004A8		PUSHL	(F1B)	1740
	00006	CF		67 050 058 7E 08F	DD	004AA		MOVL	#5, CREATE WINDOW RO, 12(BASE)	
				OE SB	12	004B3 004B5		MOVL BNEQ PUSHL	49\$	1743
	00000			7E	04	004B7		CALLS	FCB -(SP)	1731
	0000G	CF	2A14	8F	BF	004B9 004BE		CHMU	#2, CONV_ACCLOCK #10772	1752
				56	04	004BE 004C2 004C3	498:	RET	ABD	1755
			00	AA	DD	004C5 004C8		PUSHL	12(BASE)	
	0000G	CF 07		03	FB	004CA		CALLS	FCB W3, MAKE_ACCESS	
		07	01	AE 5B	DD FB E9 DD	004CF 004D3		PUSHL CALLS BLBC PUSHL	FUNCTION#1, 50\$	1757
50	0000G	CF AE	00000078	56 AB3 AB3 AB5 01 60 00 70 87	FB	004D5 004DA	50\$:	CALLS ADDL3	#1, MARKDEL FCB #120, PRIMARY VCB, RO	1759
,,		-	00000010	60	C1 D5 13	004E3	,,,,	TSTL	(RU)	""
	0000G	CF		00	FB 95	004E5 004E7		CALLS	51\$ #0, SET_EXPIRE	1760
			16	A7 08	95	004EC	51\$:	TSTB	MO. SET_EXPIRE 22(FIB) 52\$	1766
	0000G	7E CF		57 02	70	004F1 004F4		MOVQ CALLS	FIB, -(SP) #2, EXTEND	
	00000	58	18	BE 58	DO	004F9	52\$:	MOVL	a24(SP), HEADER HEADER	1767 1768
	0000G	CF		01	DD FB DD FB DD FB 19	004F9 004FD 004FF		PUSHL	#1, UPDATE_FCB	
	0000G	CF		58	DD	00504	53\$:	PUSHL	#1, UPDATE_FCB HEADER #1, CHECKSUM	1771
				01 58	DD	0050B		PUSHL	HEADER #1, MARK_DIRTY	1772
	0000G	CF		01 6E	95	00512		TSTB	FUNCTION 54\$	1774
24	38	A7		05	19 E1	00514		CALLS PUSHL CALLS PUSHL CALLS TSTB BLSS BBC TSTL	#3 56(FIR) 56\$	
			14	BE	D5	0051B	548:	TSTL	a20(SP) 56\$ a20(SP), RO #1, 99(RO), 56\$	1775
.,	47	50 A0	14	BE	DO	00520		BEQL MOVL BBC PUSHL	a20(SP), RO	1777
16	63		14	BE	DD	00529		PUSHL	M/U(SP)	1780
00	0000000G	00 AE		50	FB	0052C 00533		LALLS	#1, ACL_BUILDACL RO. STATUS	8 8
		AE 04	24	65 03 BF BD BD BD SAE AE	E15300 ED DB DB DB BF 04	00537 0053B	55\$:	MOVL BLBS CHMU	#1, ACL BUILDACL RO, STATUS STATUS, 56\$ STATUS	1781
13		6E			04 E1	00504 00508 00508 00512 00514 00516 00518 00529 00538 00538 00538 00534 00544	56\$:	RET BBC TSTB		1787
			16	06 A7 0E	E1 95 18	00546		BGEO	#6, FUNCTION, 57\$ 22(FIB) 57\$	

...........

CREATE V04-001						I 1 16-Sep-1 14-Sep-1	1984 00:06: 1984 12:30:	:06 VAX-11 Bliss-32 V4.0-742 :13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;	Page 23 (2)
3 C	05 31 56 00	0000G 0000G 0000G 08 01FE	50 CF CF CF AE CA	OC	AA 060 000 000 000 000 000 000 000 000 0	DO 00548 E1 00540 FB 00551 E1 00556 57\$: FB 0055A FB 0055F C1 00564 2C 00569	MOVL BBC CALLS BBC CALLS CALLS ADDL3 MOVC5	12(BASE), RO #6, 11(RO), 57\$ #0, REMAP_FILE #5, (BASE), 58\$ #0, ALLOCATION UNLOCK #0, SAVE_CONTEXT #4, 8(SP), R6 #6, 510(BASE), #0, #60, (R6)	: 1788 : 1789 : 1798 : 1801 : 1802 : 1804
	50	0000G 0000G	AE 60 CF	2E 14	2E 77 01 AE 00 01	C1 00571 90 00576 7C 0057A DD 0057C DD 0057E FB 00586 DO 0058B 58\$:	ADDL3 MOVB CLRQ PUSHL PUSHL CALLS CALLS MOVL RET	#46, 8(SP), R0 46(FIB), (RO) -(SP) #1 20(SP) #4, MARK_DELETE #0, RESTORE_CONTEXT #1, RO	1805 1806 1807 1811 1813

; Routine Size: 1423 bytes, Routine Base: \$CODE\$ + 0000

```
CREATE
VO4-001
                                                                                                                   16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                                             VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[F11X.SRC]CREATE.B32;
                                           ROUTINE PROPAGATE_ATTR (FIB) : L_NORM =
                             1814
1815
1816
1817
1818
1819
1820
1821
1822
     FUNCTIONAL DESCRIPTION:
                                                         This routine is called to propagate the file attributes from one file to another. This may be from one version of a file to another version of the file (either higher or lower) or from the parent directory to the newly created file. The following attributes are currently copied:

1) File owner UIC
2) File Access Control List (ACL)
3) File protection (With some twiddling)
                            CALLING SEQUENCE:
PROPAGATE_ATTR (ARG1)
                                               INPUT PARAMETERS:
                                                          ARG1: address of the supplied FIB
                                              IMPLICIT INPUTS:

PRIMARY_FCB: address of the new file's FCB

DIR_FCB: address of the directory file's FCB

OLD_VERSION_FID: FID of the old version of the file
                                              OUTPUT PARAMETERS:
                                                         none
                                               IMPLICIT OUTPUTS:
                                                         none
                                              ROUTINE VALUE:
1 if success
     860
                                                         error code otherwise
                                              SIDE EFFECTS:
                                                          The attributes in the file header of the new file are modified
                                                         according to the attribute of the old version or parent directory.
     866
867
868
869
870
871
                                           !--
                                           BEGIN
                                           MAP
                                                         FIB
                                                                                      : REF BBLOCK:
                                                                                                                                 ! Address of the FIB
     872
873
874
875
876
877
                                           LOCAL
                                                          STATUS.
                                                                                                                                    Routine exit status
                                                                                                                                    Address of created window FCB for newly created file Address of FCB from window
                                                                                      : REF BBLOCK,
                                                          WINDOW
                                                         FILE_FCB
                                                          FCB
                                                                                      : REF BBLOCK;
                                           BIND_COMMON;
     880
881
882
                                            EXTERNAL ROUTINE
                                                                                      : L_NORM,
                                                          READ_HEADER
                                                                                                                                 ! read file header
```

CRE

```
CREATE
VO4-001
                                                                                                   16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                        VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
                                                                          : L_NORM,
: L_NORM,
: L_NORM,
: L_NORM,
                                                  SAVE_CONTEXT
                                                                                                                   Save reentrant context area
                                                 RESTORE CONTEXT :
OPEN FICE :
CLOSE FILE :
                                                                                                                   Restore reentrant context area
                         1873
1874
1875
1876
1877
1878
1879
                                                                                                                   Open a file
                                                                                                                   Close a file
                                                  CHECK_PROTECT
                                                                                                                   Perform a protection check
    888
889
890
891
                                     ENABLE PROPAGATE_HANDLER;
                                        What we do depends on whether there is an old version present. If it exists, we copy attributes from it. If not, we copy attributes from the directory. If the old version is the same as the file being
                         1881
1882
1883
    893
    894
                                        entered, we do nothing, because the net effect would be a NOP anyway, and we can't open the same file in both promary and secondary context.
                         1884
     896
                         1885
     897
                         1886
1887
    898
                                     IF CHSEQL (FIDSC_LENGTH, OLD VERSION_FID, FIDSC_LENGTH, PRIMARY_FCBEFCBSW_FID])
THEN RETURN 1;
    899
                         1888
    900
                         1889
     901
                         1890
                         1891
1892
1893
                                     IF .OLD_VERSION_FID[FID$W_NUM] NEQ O OR .OLD_VERSION_FID[FID$B_NMX] NEQ O THEN
    904
    905
    906
907
                         1894
1895
                                            BEGIN
                                            LOCAL SAVCURRINDX;
                         1896
1897
    908
                                           SAVE_STATUS = .USER_STATUS;
FILE_FCB = .PRIMARY_FCB;
    909
                                                                                                                ! Save created file FCB address
    910
                         1898
                                            SAVCORRINDX = .CURR_LCKINDX;
                                           SAVE_CONTEXT ();
WINDOW = OPEN_FILE (OLD_VERSION_FID, 2);
IF .WINDOW NEG 0
                         1899
                         1900
                         1901
1902
1903
1904
    914
                                            THEN
                                                  FCB = .WINDOW[WCBCL_FCB];
IF CHECK_PROTECT (RDATT_ACCESS, 0,
                         1905
                                                                                                       .PRIMARY_FCB,
                         1906
1907
1908
1909
                                                                              MAXU T.10_PACKET[IRP$V_MODE], .FIB[FIB$B_AGENT_MODE]))
                                                  THEN
    BEGIN
                         1910
                                        Restore the current lock index we had from primary context.
                         1911
                                        COPY_INFO may need to read the primary file's headers.
                         1912
                         1914
                                                        CURR LCKINDX = .SAVCURRINDX;
STATUS = KERNEL CALL (COPY_INFO, .FCB, .FILE_FCB, .FIB, 0);
                         1916
1917
                                                        CLOSE_FILE (.WINDOW);
                                                        RESTORE_CONTEXT ()
                         1918
                                                        READ_HEADER (CURRENT_FIB[FIB$W_FID], .PRIMARY_FCB);
                                                        RETURN .STATUS:
                                                        END:
                                                  END:
                                           RESTORE CONTEXT ();
USER_STATUS = .SAVE_STATUS;
READ_HEADER (CURRENT_FIBEFIBSW_FID], .PRIMARY_FCB);
                                            END:
                                        If we make it this far, it means that: 1) there was no previous version of
```

CREATE V04-001 : 940 : 941		1928 2 1929 2	! the	file; 2)	the p	revious es not	vers	ion			984 00:06 984 12:30 is not ac		VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[F11X.SRC]CREA Die: or 3) the In any of	TE.B32;2 (3)
942		1930 2 1931 2												
944		1929 2 1930 2 1931 2 1932 2 1933 2				(COPY_	INFO,	.0	IR_FCB	. PRIM	MARY_FCB,	.FIB,	1);	
940 941 942 943 944 945 946 947		1934 2 1935 2 1936 1	RETURN END;	.STATUS	;						1 Fad a4		- DOODACATE ATTO	
, 740		1730 1	END,								: End of	routin	NE PROPAGATE_ATTR	
											.EXTRN	OPEN_	FILE, CLOSE_FILE	
							0	07C	00000	PROPAG	ATE ATTR:		02 07 04 05 04	101/
					55	08 0140 00BF	AA	9E	20000		GATE ATTR:	8(BAS	R2,R3,R4,R5,R6 (E), R5 (ASÉ), R4 (FP) (R0 (R4), 36(R0)	: 1814 : 1865
					55 54 60 50	OOBF	CF 65 06 04	9E DE DO 29	00002 00006 0000B 00010		MOVAB MOVAL MOVL CMPC3 BNEQ MOVL	7\$, ((R5)	FP)	1888
		24	A0				06	29	00018		CMPC3 BNEQ	15	R4), 36(R0)	
					50			04	0001A 0001D		MOVL RET TSTW	#1, K	10	1889
							08 A4 03	DO 04 B5 12 95 121	0001E 00020	15:	TSTW BNEQ TSTB	(R4) 2\$ 5(R4)		1891
						05	03	12	00022		BNEQ	2\$ 5\$		1892
				co	AA 56	80	008D	000	00027 0002A 0002F	2\$:	BRW MOVL MOVL	-128(BASE), -64(BASE) FILE_FCB SE), SAVCURRINDX	1896
				0000G	56 53 CF	14	65 AA 00 02	DO FB	00032		MOVL	20 (BA	SE), SAVCURRINDX SAVE_CONTEXT	1897 1898 1899 1900
							02	DD	0003B 0003D		PUSHL			1900
				0000G	CF 52		02 50	FB DO	0003F 00044		MOVL	#2, 0 R0, W	PEN_FILE VINDOW	
					54	18	A2	DO	00047		MOVL	24 (WI	NDOW), FCB	; 1901 ; 1904 ; 1906
	7E	0В	A1		51 50 02 6E	18 90 04	AC	00	00051		MOVL	FIB,	NDOW), FCB BASE), R1 R0 P2, 11(R1), -(SP)	: 1906
	"	OB	^'		6Ē	2E	A0	91 18	0005B		CMPB BL FQU	46 (RO), (SP)	
					6E	SE.	A0	9A DD	00061	3\$:	MOVZBL	46(R0 (R5))), (SP)	1905
				0000G	7E CF		04	7D FB	00067 0006A		CALLS	#4, -	(SP) HECK_PROTECT	
				14	2F AA		50	E9	0006F 00072		BLBC MOVL	CAVIII	IDDIAINY 20/PACE)	1914 1915
						0050	50558AACOO4054403ECF4021	DB030000F1BADDBB904DBB0	00036 0003B 0003B 0003F 00044 00047 00049 00055 00065 00067 00067 00067 00076 00076 00087 00089		PUSHL PUSHL MOVL MOVL MOVL MOVL EXTZV CMPB BLEQU MOVZBL PUSHL PUSHL CALLS MOVL PUSHL PUSHR CALLS	FIB	4 045	1915
				0000v	CF 53	0050	04	FB	0007F		CALLS	#4. C	OPY INFO	
				00006	CF		52	DD	00087		PUSHL	WINDO	4,R6> OPY INFO TATOS W LOSE_FILE	1916

CREATE V04-001		00000					6-Sep- 14-Sep-	1984 00:00		Bliss-32 V4.0-742 MASTER:[F11X.SRC]CREATE	
		0000G			65	FB 0008	3	PUSHL	#0 RESTORE_CO	ONTEXT	: 191
	7E	0000G	AA CF		04	C1 0009	Š	CALLS PUSHL ADDL3 CALLS BRB CALLS MOVL ADDL3 CALLS PUSHL PUSHL PUSHL PUSHL PUSHL PUSHL PUSHL RET	#4, 16(BASE), #2, READ_HEADE 6\$ #0, RESTORE_CO -64(BASE), =12	-(SP)	
		00006	CF		02 29 00	FB 0009 11 0009 FB 000A	48:	BRB	6\$	NTEXT	191
		80	ÄA	CO	AA 65	DO 000A	5	MOVL	-64 (BASE), =12	8 (BASE)	; 191 ; 192 ; 192 ; 192
	7E	0000G	AA CF		04	C1 000A)	ADDL3	#4. 16(BASE) #2. READ_HEADE	-(SP)	172
		00000	٠,	04	01	DD 000B	5\$:	PUSHL	#1	•	: 193
					AC 65	DD 000B		PUSHL	F1B (R5)		
		0000v	CE	0000	CA 04 50 53	DD 000B FB 000C DO 000C		CALLS	#4, COPY_INFO		
			CF 53 50		53	DO 000C	6\$:	MOVL	208(BASE) #4, COPY INFO RO, STATUS STATUS, RO		; 193
						0000 000CI	7\$:	RET .WORD	Save nothing		; 193 ; 193 ; 186
					7E 5E	D4 000D	2	WORD CLRL PUSHL MOVQ	-(SP) SP		
		0000V	7E CF	04	7E 5E AC 03	DD 000D 7D 000D FB 000D 04 000D	3	MOVQ	4(AP), -(SP) #3, PROPAGATE_	HANDLER	

; Routine Size: 222 bytes, Routine Base: \$CODE\$ + 058F

.

```
CREATE
VO4-001
                                                                                                                      VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11X.SRC]CREATE.B32;2
                     1937
1938
1939
                                ROUTINE PROPAGATE_HANDLER (SIGNAL, MECHANISM) =
    FUNCTIONAL DESCRIPTION:
                                           This routine is the condition handler for the file attribute
                                           propagation. It unwinds and returns a value of zero to
                                           indicate a failure.
                                   CALLING SEQUENCE:
                                           PROPAGATE_HANDLER (ARG1, ARG2)
                                   INPUT PARAMETERS:
                                           ARG1: address of the signal array
                                           ARG2: address of the mechanism array
                     1954
1955
1956
1957
1958
1959
1961
1963
1964
1965
1966
1967
1976
1971
1972
1973
1974
                                   IMPLICIT INPUTS:
                                           none
                                   OUTPUT PARAMETERS:
                                           none
                                   IMPLICIT OUTPUTS:
                                           Value of the routine that caused the exception is returned as zero.
    975
                                   ROUTINE VALUE:
    977
                                           SS$_RESIGNAL or none
   978
                                   SIDE EFFECTS:
    980
                                           none
    981
    982
    983
    984
                                BEGIN
    985
                                MAP
    986
                                                                : REF BBLOCK, : REF BBLOCK;
    987
                                           SIGNAL
                                                                                                   Signal argument array
                                           MECHANISM
  988
989
990
991
992
993
994
995
996
997
998
1000
1001
1002
1003
1004
                                                                                                 ! Mechanism argument array
                                  If the condition is change mode to user (ERR_EXIT) set the saved value of RO to zero (indicating a failure) and unwind to the PROPAGATE_ATTR
                                  routine.
                      1980
                                IF .SIGNAL[CHF$L_SIG_NAME] EQL SS$_CMODUSER THEN
                      1982
                     1984
                                      MECHANISMECHF$L_MCH_SAVRO] = 0;
$UNWIND (DEPADR = MECHANISMECHF$L_MCH_DEPTH);
                                                                                                 ! Note failure
                     1986
1987
                                                 NEWPC = 0):
                                      END:
                     1988
1989
                                RETURN SS$_RESIGNAL;
                                                                                                 ! Ignored when unwinding
                      1990
                      1991
                                END:
                                                                                                 ! End of routine PROPAGATE_HANDLER
```

CRE

B 2 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 Page 29 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (4)

.EXTRN SYSSUNWIND

		A.	0	0000	00000	PROPAGATE HANDL	ER:		1077
00000424	50 8F	04	AC AO	D0 D1	00002	. WORD MOVL CMPL	Save nothing SIGNAL, RO 4(RO), #1060		1937 1981
	50	80 00	AC AO 7E	004	00010	MOVL CLRL	MECHANISM, RO 12(RO) -(SP)		1984 1986
7E 00000000G	AC 00 50	0918	08 02 8F	C1 FB 3C	00019 0001E 00025 0002A	MOVL CMPL BNEQ MOVL CLRL CLRL ADDL3 CALLS MOVZWL RET	#8, MECHANISM, #2, SYS\$UNWIND #2328, RO	-(SP)	1989 1991

; Routine Size: 43 bytes, Routine Base: \$CODE\$ + 066D

.

1060 1061 1062

SIDE EFFECTS:

CR

```
CR
```

```
CREATE
VO4-001
                                                                                                      16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
                                                                                                                                            VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER: [F11X.SRC]CREATE.B32;2
The ACL building routine is called to update the new file's file
                                                   headers with the copied ACL.
                                       BEGIN
                                       MAP
                                                                            : REF BBLOCK,
                                                   OLD_FILE_FCB
NEW_FILE_FCB
                                                                                                                     Address of old file's FCB Address of new file's FCB
                                                                             : REF BBLOCK:
                                                                                                                     Address of the FIB
                                       LINKAGE
                                                                            = JSB (REGISTER = 2, REGISTER = 4;
REGISTER = 1, REGISTER = 5),
                                                   L_SEARCH_RIGHT
                                                                            = JSB (REGISTER = 3, REGISTER = 5,
REGISTER = 6, REGISTER = 1;
REGISTER = 1);
                                                   L_FINDACL
                                      LOCAL
                                                                                                                     PCB address of I/O packet owner
Access rights block address
Identifier being sought
Rights list descr addr
Addr of ID found
                          PCB
                                                                             : REF BBLOCK,
                                                                             : REF BBLOCK.
                                                   ARB
                                                   IDENTIFIER,
                                                   RIGHTS DESC.
                                                                             : REF BBLOCK,
                                                  RIGHTS SEG : REF BBLOCK,
ACE_ADDRESS : REF BBLOCK,
OLD_ACL_SEGMENT : REF BBLOCK,
NEW_ACL_SEGMENT : REF BBLOCK;
                                                                                                                     Addr of rights segment
Pointer to default protection ACE
                                                                                                                     Address of old ACL segment
Address of new ACL segment
                                      EXTERNAL
                                                   SCH$GL_PCBVEC
                                                                          : REF VECTOR ADDRESSING_MODE (ABSOLUTE);
                                                                                                                                                        ! PCB vector
                                      BIND_COMMON;
                                      EXTERNAL ROUTINE
                                                                            : L_SEARCH_RIGHT ADDRESSING_MODE (GENERAL),
! Seach for specified ID
: L_FINDACL ADDRESSING_MODE (GENERAL), ! Locate an
                                                   EXESSEARCH_RIGHT
                                                   EXESF INDACL
                                                                                                                                            ! Locate an ACE
                                                   ACL_INIT_QUEUE
ACL_COPYACL
CHANGE_OWNER
                                                                            : ADDRESSING_MODE (GENERAL),
                                                                                                                               ! Initialize ACL queue
                                                                                                                   ! Routine to propagate desired ACEs ! Change file owner UIC
                                                                            : L_NORM, : L_NORM;
                                       ENABLE PROPAGATE_HANDLER;
                                       ! Initialize some necessary pointers.
                                      PCB = .SCH$GL PCBVEC[.(IO PACKET[IRP$L_PID])<0,16>];
ARB = .IO PACKET[IRP$L_ARB];
RIGHTS_DESC = ARB[ARB$[_RIGHTSLIST];
                                      ! If is a new file, propagate the information from the parent directory ! or the creator of the file as necessary.
                                      IF .NEW_FILE
```

```
CRI
```

...........

```
E 2
16-Sep-1984 00:06:06
14-Sep-1984 12:30:13
CREATE
VO4-001
                                                                                                                                                 VAX-11 Bliss-32 V4.0-742
DISK$VMSMASTER:[F11X.SRC]CREATE.B32;2
  IF .DIR_FCB NEQ 0
21089011234567890112311333656789
210901123456789012311333656789
                                                     BEGIN
                                                    CHANGE OWNER (.DIR_FCB[FCB$L_FILEOWNER], .NEW_FILE_FCB, 0);
NEW_FILE_FCB[FCB$W_FILEPROT] = .PCB[PCB$L_DEFPROT];
IF .BBLOCK[DIR_FCB[FCB$R_ORB], ORB$V_ACL_QUEUE]
                                                           BEGIN
                                                           OLD_ACL_SEGMENT = .DIR_FCB[FCB$L_ACLFL];
UNTIL .OLD_ACL_SEGMENT EQLA DIR_FCB[FCB$L_ACLFL]
                                                                BEGIN

ACE_ADDRESS = 0;

IF EXESFINDACL (ACESC_DIRDEF,

OLD_ACL_SEGMENT[ACLSW_SIZE] - ACLSC_LENGTH,

OLD_ACL_SEGMENT[ACLSL_[IST], .ACE_ADDRESS;

ACE_ADDRESS)
                                                                  BEGIN
                                                                       (NEW_FILE_FCB[FCB$w_FILEPROT])<0.4> = .ACE_ADDRESS[ACE$L_SYS_PROT];

(NEW_FILE_FCB[FCB$w_FILEPROT])<4.4> = .ACE_ADDRESS[ACE$L_OWN_PROT];

(NEW_FILE_FCB[FCB$w_FILEPROT])<8.4> = .ACE_ADDRESS[ACE$L_GRP_PROT];

(NEW_FILE_FCB[FCB$w_FILEPROT])<12.4> = .ACE_ADDRESS[ACE$L_WOR_PROT];

EXITLOOP;
                                                                        END:
                                                                  OLD_ACL_SEGMENT = .OLD_ACL_SEGMENT[ACL$L_FLINK];
                                                           END;

ACL INIT QUEUE (NEW_FILE_FCB[FCB$R_ORB]);

RETURN ACL_COPYACL (.DIR_FCB, .NEW_FILE_FCB, (IF .FIB[FIB$V_DIRACL]);
                                                                                                                                       THEN 2 ELSE 17);
                                                     RETURN 1;
                                                     END:
                          2140
2141
2142
2143
                                              END:
                                           If it is a new version of an existing file, propagate the information
                                           from the old version of the file, the parent directory, or the creator
   1158
1159
                          2145
21467
21467
2149
2151
2157
2157
2157
2157
2160
2161
2162
                                          of the file.
   1160
                                        ! First, set the owner of the new file.
   1161
   1162
1163
                                       IF NOT CHANGE OWNER (.OLD_FILE_FCB[FCB$L_FILEOWNER], .NEW_FILE_FCB, 0)
AND .DIR_FCB NEQ 0
   1164
1165
                                        THEN CHANGE_OWNER (.DIR_FCB[FCB$L_FILEOWNER], .NEW_FILE_FCB, 0);
   1166
1167
1168
1169
1170
1171
                                        ! Next, propagate the protection from the old file.
                                       NEW_FILE_FCB[FCB$W_FILEPROT] = .OLD_FILE_FCB[FCB$W_FILEPROT];
                                        ! Last, but not least, copy the ACL (excluding ACEs marked as NOPROPAGATE).
   1172
1173
1174
1175
                                        IF .BBLOCK[OLD_FILE_FCB[FCB$R_ORB], ORB$V_ACL_QUEUE]
                                        THEN
                                              BEGIN
                                              ACL_INIT_QUEUE (NEW_FILE_FCB[FCB$R_ORB]);
   1176
                                              RETURN ATL_COPYACL T.OLD_FILE_FCB, .NEW_FILE_FCB, 2)
```

F 2 16-Sep-1984 00:06:06 VAX-11 Bliss-32 V4.0-742 Page 33 14-Sep-1984 12:30:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2 (5)

CREATE V04-001 ; 1177 2163 3 END : 1178 2164 2 ELSE RETURN 1; : 1179 2165 2 ; 1180 2166 1 END;

71

AO

! End of routine COPY_INFO

.EXTRN EXESSEARCH_RIGHT .EXTRN EXESFINDACL, ACL_COPYACL .EXTRN CHANGE_OWNER

	OBFC 00000	COPY_INFO:	Cause D2 D7 D/ D5 D4 D7 D9 D0 D11	. 1002
54 00D0	OF 9E 00002 00 9E 00007 CA 9E 0000E OF DE 00013	MOVAB MOVAB MOVAB	Save R2,R3,R4,R5,R6,R7,R8,R9,R11 CHANGE_OWNER, R8 ACL_INIT_QUEUE, R7 208(BASE), R4 13\$, (FP) a#SCH\$GL_PCBVEC, R1	2081
6D 011F 51 00000000G 50 90	9F DO 00018 AA DO 0001F OC CO 00023	MOVL MOVL ADDL2	a#SCH\$GL_PCBVEC, R1 -112(BASE), R0 #12, R0 (R0), R0	2097
52 50 90 61	40 DO 00029 AA DO 0002D AO DO 00031	MOVL MOVL	(R1)[R0], PCB -112(BASE), R0 88(R0), ARB #32, RIGHTS_DESC	2098
50 03 10	AO DO 00029 AO DO 00020 AO DO 00031 20 CO 00035 AC E8 00038 AS 31 00036 AS 31 00036 AS 31 00042	MOVL ADDL2 BLBS 1\$: BRW	#32, RIGHTS DESC NEW_FILE, 2\$ 9\$	2099
50	64 DO 0003F F8 13 00042	2\$: MOVL	(R4), R0 1\$	2107
08 58	AC DD 00046 AO DD 00049	BEQL CLRL PUSHL PUSHL CALLS	-(SP) NEW_FILE_FCB 88(RO)	2110
70 A0 0114	03 FB 0004C	CALLS MOVL	#3 CHANGE OWNER	2111
70 AO 0114	AC DO 0004F C2 BO 00053 64 DO 00059	MOVE	NEW FILE_FCB, RO 276(PCB), 112(RO) (R4), RO #1, 99(RO), 3\$	2112
03 63 A0 00	01 EO 0005C	BBS BRW	#1, 99(RO), 3\$ 12\$	
	0 00 00064 BF C1 00069 52 D1 00071 4C 13 00074 51 D4 00076	35: MOVL	128(RO), OLD_ACL_SEGMENT #128, (R4), RO OLD_ACL_SEGMENT, RO 6\$	2115
54 00	51 D4 00076	CLRL	ACE_ADDRESS	2119 2122 2121
56 OC 55 O8 55 53	A2 9E 00078 A2 3C 0007C	MOVZWI	12(OLD_ACL_SEGMENT), R6 8(OLD_ACL_SEGMENT), R5	2121
53	51 D4 00076 A2 9E 00078 A2 3C 0007C CC C2 00080 09 D0 00083 00 16 00086 50 E9 0008C	SUBL2 MOVL	8(OLD_ACL_SEGMENT), R5 #12, R5 #9, R3 EXESFINDACL	2122
SE 000000000	50 E9 0008C	MOVL JSB BLBC	RO, 5\$	2124
	50 E9 0008C AC DO 0008F A1 F0 00093	MOVL INSV	RO, 5\$ NEW_FILE_FCB, RO 8(ACE_ADDRESS), WO, W4, 112(RO) NEW_FILE_FCB, RO 12(ACE_ADDRESS), W4, W4, 112(RO) NEW_FILE_FCB, RO 16(ACE_ADDRESS), W0, W4, 113(RO) NEW_FILE_FCB, RO 20(ACE_ADDRESS), W4, W4, 113(RO)	2126
04 04 06	A1 F0 00093 AC D0 0009A A1 F0 0009E AC D0 000A5 A1 F0 000B0 A1 F0 000B4	MOVL	12(ACE_ADDRESS), #4, #4, 112(RO)	2127
04 00 10	AC DO 000A5 A1 FO 000A9	MOVL INSV	NEW FILE FCB, RO 16(ACE_ADDRESS), #0, #4, 113(RO)	2128
04 04 14	AC DO 000B0 A1 FO 000B4	MOVL INSV	NEW FILE FCB, RO 20(ACE_ADDRESS), #4, #4, 113(RO)	2129

					1	G 2 6-Sep-1 4-Sep-1	984 00:06 984 12:30	:06 VAX-11 Bliss-32 V4.0-742 P2:13 DISK\$VMSMASTER:[F11X.SRC]CREATE.B32;2	ge 34 (5)
		52		05	11 000BB	5\$:	BRB	6\$ (OLD_ACL_SEGMENT), OLD_ACL_SEGMENT	: 2125
7E	08	AC	00000058	06A80A0000A647AAA05607A6A0AAA0800A0	11 000BB D0 000BD 11 000C2 FB 000CE E1 000D2 DD 000DD DD 000DD DD 000E0 DD 000	6\$:	BRB ADDL3 CALLS MOVL BBC PUSHL	48 NEW FILE FCB(SP)	: 2125 : 2132 : 2116 : 2134
		67 50 A0	00	01	FB 000CB		CALLS	#1, ACL_INIT_QUEUÉ	2135
04	38	ÃŎ		02	E1 00002		BBC	#88, NEW_FILE_FCB, -(SP) #1, ACL_INIT_QUEUE FIB, RO #2, 56(RO), 7\$ #2	: 2133
				02	11 00009	70	BRB	8\$:
			08	AC	DD 000DB DD 000DD DD 000E0 11 000E2	7\$: 8\$:	BRB PUSHL PUSHL PUSHL	NEW_FILE_FCB	
				48	DD 000E0		BRB	(R4) 11\$:
			08	7E	DA 000E4	9\$:	BRB CLRL PUSHL MOVL PUSHL CALLS BLBS TSTL BEQL CLRL PUSHL	11\$ -(SP) NEW_FILE_FCB OLD_FILE_FCB, RO 88(RO) #3, CHANGE_OWNER RO, 10\$ (R4) 10\$ -(SP) NEW_FILE_FCB	2148
		50	08 04 58	AC	DD 000E6 DO 000E9		MOVL	OLD_FILE_FCB, RO	
		68	,,,	03	FB 000F0		CALLS	#3, CHANGE_OWNER	:
		12		64	D5 000F6		TSTL	(R4)	2149
				9E 7E	13 000F8 D4 000FA		CLRL	10\$ -(SP)	: 2150
		50	08	AC	DD OOOFC		PUSHL	NEW_FILE_FCB	
			58	AO	DD 00102		MOVL PUSHL CALLS	NEW_FILE_FCB (R4), R0 88(R0) #3, CHANGE_OWNER	
		68 50 A1 50	04	AC	7D 00108	10\$:	MOVQ	#3, CHANGE_OWNER OLD_FILE_FCB, RO	: 2154
	70	50	70	AC	BO 0010C		MOVL	112(R0), 112(R1) OLD_FILE_FCB, R0	: 2158
18 7E	63	AO AC	00000058	01 8F	E1 00115		BBC ADDI 3	#1, 99(RO), 12\$ #88, NEW_FILE_FCB, -(SP)	2161
		67	***************************************	01	FB 00123		MOVQ MOVW MOVL BBC ADDL3 CALLS PUSHL MOVQ	OLD_FILE_FCB, RO 112(RO), 112(R1) OLD_FILE_FCB, RO #1, 99(RO), 12\$ #88, NEW_FILE_FCB, -(SP) #1, ACL_INIT_QUEUE #2 OLD_FILE_FCB, -(SP) #3. ACL_COPYACL	2162
	00000	7E CF	04	AC	7D 00128		MOVQ	OLD_FILE_FCB, -(SP)	: 2102
	0000G			03	04 00131	115:	RET	"S, Not_con thet	2164
		50		01	00 00132 04 00135	12\$:	MOVL RET	#1, R0	: 2166
				7F	DD 000ED FB 000F6 13 000F6 13 000F6 13 000F6 DD 000FC DD 00105 7D 00108 BD 00115 C1 00113 BD 00126 7D 00136 PB 00137 PB 00137 PB 00137 PB 00137 PB 00138 PD 00138 PB 00137 PB 00138 PB 00145	13\$:	WORD CLRL PUSHL MOVQ CALLS	Save nothing -(SP)	2166
		75	04	7E 5E AC 03	DD 0013A		PUSHL	SP 4(AP), -(SP)	
	FE90	7E CF	04	03	FB 00140		CALLS	#3, PROPAGATE_HANDLER	
					04 00145		RET		

; Routine Size: 326 bytes, Routine Base: \$CODE\$ + 0698

: 1181 2167 1 : 1182 2168 1 END : 1183 2169 0 ELUDOM

Library Statistics

File Total Loaded Percent Mapped Time

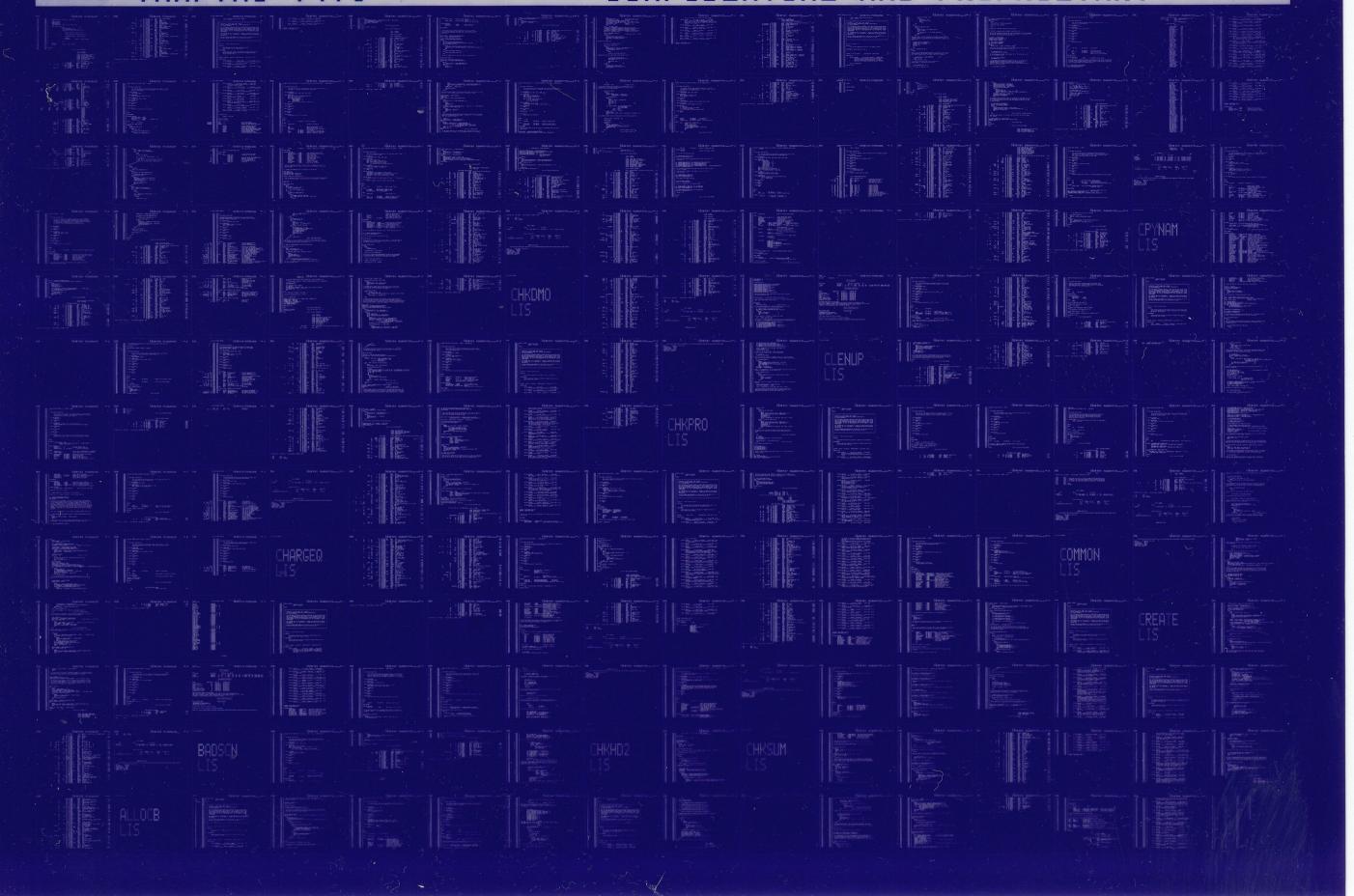
\$255\$DUA28:[SYSLIB]LIB.L32;1 18619 140 0 1000 00:01.9

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/LIS=LIS\$: CREATE/OBJ=OBJ\$: CREATE MSRC\$: CREATE/UPDATE=(ENH\$: CREATE)

: Size: 2014 code + 0 data bytes ; Run Time: 01:09.9 ; Elapsed Time: 02:20.0 ; Lines/CPU Min: 1862 ; Lexemes/CPU-Min: 37116 ; Memory Used: 549 pages ; Compilation Complete 0168 AH-BT13A-SE

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